ITS Operations Summary Report – November 2014
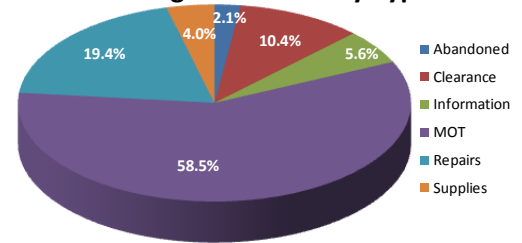
Milestones:

- Implemented dynamic message signs (DMS) messages to support "Long Distance" traveler information messages on I-95, I-75 and US 1
- Supported Golden Glades Interchange closures related to Sun Life Stadium events
- Coordinated with Project Managers and CEI for various construction related closures (developed and implemented DMS messages)
- Coordinated Interview for Hitotsubashi University for 95 Express (Japan)
- Installed and configured new load balancer for email redundancy
- Analyzed data for adjustment of ramp metering time of day related tables

Event Summary:

Statistics	November 2014	FY 13/14 Avg.
Total Number of Events	3,990	3,555
Total Number of Lane Blockage Events	1,571	1,220
Average Lane Blockage Duration*	0:28:54	0:27:58
Total Number of Road Ranger Responses	3,998	3,466
Total Number of Road Ranger Activities	7,000	6,424

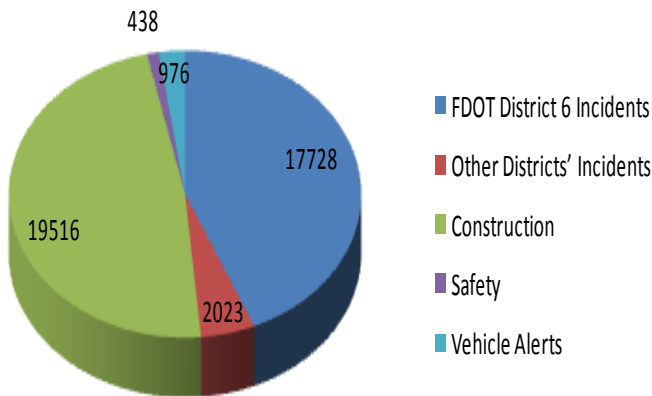*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.*

Road Ranger Activities by Type

- Abandoned 2.1%
- Clearance 10.4%
- Information 5.6%
- MOT 58.5%
- Repairs 19.4%
- Supplies 4.0%

Traveler Information:

There were 51,913 calls from SE Florida to the Statewide 511 system for the month of November 2014.

DMS Message by Type
(Total DMS Messages = 40,681)

- FDOT District 6 Incidents — 17728
- Other Districts' Incidents — 2023
- Construction — 19516
- Safety — 976
- Vehicle Alerts — 438

Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	10	2,014	7,567	100.00%
95 Express	4	596	2,016	99.63%
I-95 Arterial	8	1,495	5,780	99.38%
Golden Glades	5	1,321	5,241	98.99%
SR 826	12	1,565	5,526	99.55%
I-75	3	308	1,160	99.84%
I-195	2	251	1,001	99.36%
I-195 Arterial	3	563	2,253	99.73%
SR 826 Arterial	8	1,174	4,194	100.00%
I-395	2	536	2,131	95.09%
US 1 Miami-Dade Co	5	356	1,507	100.00%
US 1 S/ of Florida City	11	376	2,305	93.53%
Total	**73**	**10,555**	**40,681**	**98.48%**

Note: DMS 15 is undergoing testing for Capital Improvement and is used periodically; messages posted on this device are not computed and system availability is not measured. DMS 2, DMS 3, DMS 6, DMS 109, DMS 110, DMS 111, and DMS 113 along I-95 (EL Phase 2 project) and two additional DMS along the SR 826 (Section 5 project) are operational and are still under warranty; system availability is not measured.
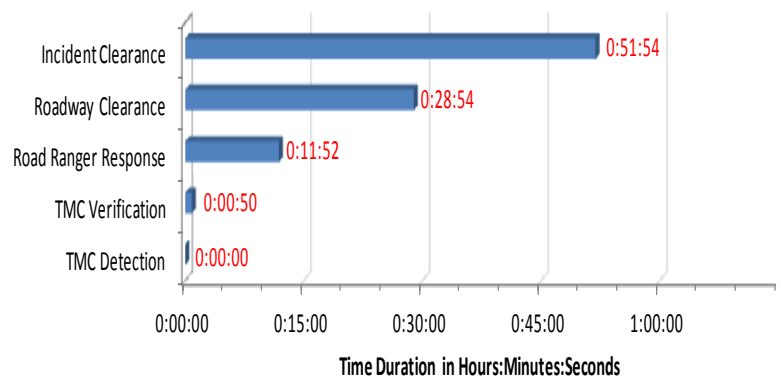
TMC Operations and Maintenance:

TMC Operations (Travel Lane Blocking Events Only)

Performance Measure	November 2014	Target
DMS Efficiency	100.00%	>95%
TMC Operator Error Rate	0.40%	<0.59%
Road Ranger Dispatching Average	00:00:45	<0:02:00
Event Confirmation Average	00:00:50	<0:02:00
Time to Post DMS Average	00:02:16	<0:05:00
Agency Notification Average	00:02:05	<0:07:00

ITS Systems Availability (FDOT Non-Operational)

Subsystem	November 2014	Target
TMC Systems (critical)	99.98%	>99.90%
Video Wall	98.57%	N/A
SunGuide^SM Software	97.42%	N/A
CCTV	93.58%	N/A
DMS	98.48%	N/A
Detectors	91.69%	N/A
TMC Systems (non-critical)	99.09%	N/A

- Incident Clearance: 0:51:54
- Roadway Clearance: 0:28:54
- Road Ranger Response: 0:11:52
- TMC Verification: 0:00:50
- TMC Detection: 0:00:00

Time Duration in Hours:Minutes:Seconds

Note: Time Durations include FDOT D6 Managed Events Only and excludes roadwork and special events. Road Ranger Response excludes Road Ranger detected events.

ISO: 60178093